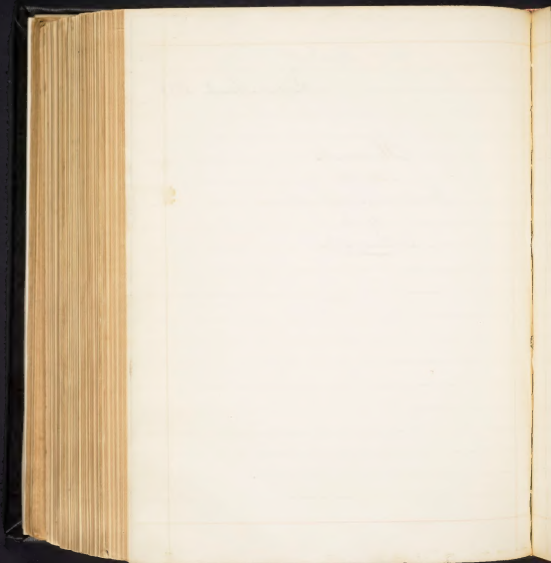


No 137 G.
255 Market

Passed. March 1828.

Remarks
on the
Treatment of Fractures
of the
Extremities



Essay on
Fractures

By George Stubbins
Virginia
~~1789~~

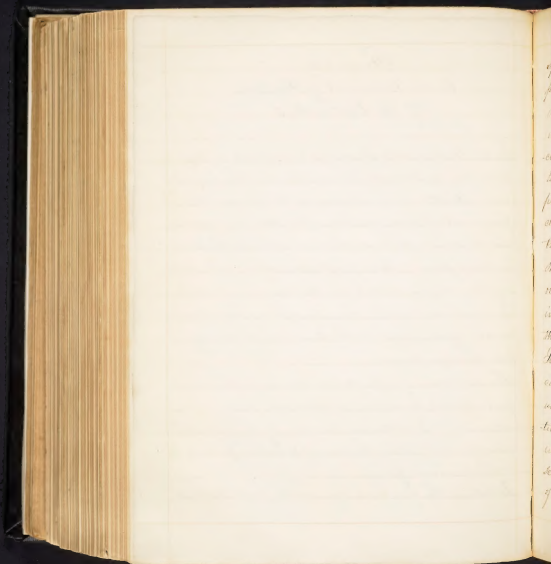


Remarks
On the Treatment of Fractures
of the Extremities

In the treatment of Fractures, considered a part from any untoward circumstances the important indications are obvious - to reduce the fragments of deranged bone, to a state of coaptation and to secure them in that situation until reunion takes place - but if inflammation and swelling have supervened before the surgeon is called, he must wait until those symptoms have subsided as an officiningsup at this time could only aggravate the symptoms -

The reduction of a fractured bone is for the most part effected by employing extension and counter extension - Sometimes, however, by an opposite management, as in the case of a broken patella or the olecranon process.

To retain the fractured bone in the proper position,

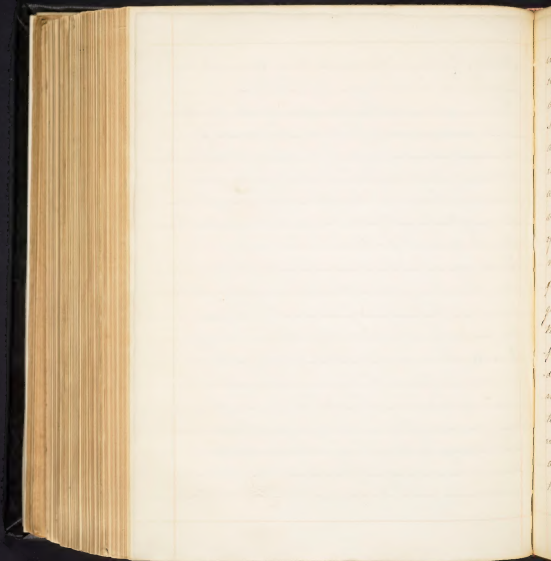


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Splints, bandages, compresses &c are the agents employed,

However, as in all other disorders, so also it happens in the management of fractures, that no one precise and invariable course of practice will be found to succeed in all cases - Indeed there is no complaint in which a modification, and even an interchange of treatment may become more indispensable than in a case of fracture.

The surgeon must be ever on the watch and carefully observe the existing state of the system, and true to the indications thence arising, he must meet them as they present by appropriate remedies.

To enter into a minute detail of every possible circumstance which in the beginning may exist, or afterwards may supervene, calculated to influence the practice, even could I believe myself prepared for such an undertaking, is not now my intention, nor does it seem at all necessary - I prescribe to myself a range of much less extent, & shall be satisfied in collecting



into a condensed comp^os a few general practical observations, —

The reunion of fractured bones is effected by a process similar to that which nature pursues in the removal and reestablishment of soft parts: the vessels become inflamed and are persuaded to take on glandular action secreting coagulable lymph, which becomes vascular, establishing a connection between the ends of the fragments and affording deposition to the soft matter, this intermedium denominated callus, at first soft becomes firmer by degrees and finally changed into complete bone, this is the usual course of things when no obstacle has been opposed to the recuperative power of nature — but instead of the accident progressing thus kindly, the just degree of inflammation only occurring — it frequently happens that the irritation produced by the accident rouses the whole system into an inordinate and irregular action — under such circumstances always mindful that it is of the first importance, that the inflammation







Amphibien, die in warmen Gewässern leben.

U.S. Nat. Acad. Sci. 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594

L.

London: W. & A. G. & Co. 1841.

old water, water & vinegar, to be used as usual

St. Louis, Mo. 1891.





It is a very common error to suppose
that the whole of the human mind is
occupied by the objects of sense, and that
it is only by the aid of the senses that we
are enabled to acquire knowledge of the
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[illegible]



[illegible]





[illegible]







[illegible]



There were added the higher values of the station water
to the column of water - Mr. Shallenbarger gave
the figures for the day, he only the machine
is running, and the column of water was
found to be constant, and for the
reason - the pressure.

the two engines were sent to fasten
neglect - and it was still left in the same
condition - the goodlike mind of the
to a great extent shut out - however we had
more than we had before - but the best
and that of the great - the
and a few others - the effect of the
the same - the same so light stroke of
in the same - the same - the same
of the same - the same - the same
degree of improvement - the same - the same
of the same - the same - the same

The first case occurred at 2 P.M., on Tuesday,
March 10, 1908.

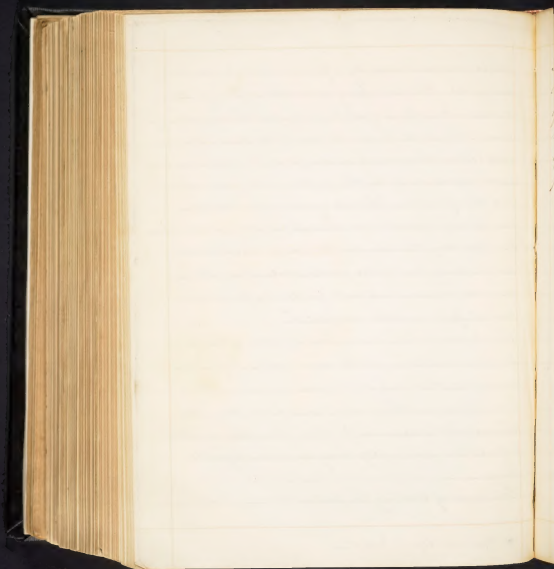


which was succeeded by a permanently putrefactive joint - The limb being extended, a seton needle armed with a skin of silk was passed through the arm between the fractured ends of the bone, the sick left in the wound and a pledget applied on each side made by the needle - little pain attended the operation, the subsequent inflammation was not very violent, and the suppuration moderate. In a few days the arm was placed in splints, and dressed daily for twelve weeks, soon after which union commenced and gradually proceeded and in five months completed.*

Several cures have since been effected of the os humeri and tibia, in the same way - it must be recollectd that long continued inflammation is necessary in these cases, and hence the seton should not be removed for four, five, a six months or perhaps a year until long union begin to form -

This mode of treating the putrefactive joint

* Medical Repert. vol I -



Succeeding to fracture of the bones, so important
 an acquisition to modern surgery - is but one
 of the numerous valuable improvements, which
 has flowed to it from the inexhaustable resources
 of that great man who now stands gloriously
 preeminent in the surgical world -

George Keblefield



Dr Gibson